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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/936,040	12/11/2001	Ichio Yudasaka	110554	7811
7590 11/24/2003			EXAMINER	
Oliff & Berridge			SEFER, AHMED N	
PO Box 19928				
Alexandria, VA	22320		ART UNIT	PAPER NUMBER
			2826	

DATE MAILED: 11/24/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

09/936,040 HIRAKATA ET AL.					
Office Action Summary Examiner Art Unit					
A. Sefer 2826					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).  - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).					
Status  1)⊠ Responsive to communication(s) filed on 10/8/03.					
<del>/ -</del>	This action is <b>FINAL</b> . 2b) This action is non-final.  Since this application is in condition for allowance except for formal matters, prosecution as to the merits is				
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims					
4) Claim(s) 1-19 is/are pending in the application.					
<ul> <li>4a) Of the above claim(s) 8-12 and 18 is/are withdrawn from consideration.</li> <li>5) □ Claim(s) 1-7 and 13-17 is/are allowed.</li> <li>6) □ Claim(s) 19 is/are rejected.</li> <li>7) □ Claim(s) is/are objected to.</li> <li>8) □ Claim(s) are subject to restriction and/or election requirement.</li> </ul>					
Application Papers					
9)☐ The specification is objected to by the Examiner.					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).					
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority under 35 U.S.C. §§ 119 and 120					
<ul> <li>12)  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a)  All b)  Some * c)  None of:</li> <li>1.  Certified copies of the priority documents have been received.</li> <li>2.  Certified copies of the priority documents have been received in Application No</li> <li>3.  Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> <li>13)  Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet.</li> <li>37 CFR 1.78.</li> <li>a)  The translation of the foreign language provisional application has been received.</li> <li>14)  Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.</li> </ul>					
Attachment(s)					
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)  S Patent and Tradement Office.					

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### **DETAILED ACTION**

## Response to Amendment

1. The amendment filed on October 8, 2003 has been entered; no new claims have been added.

# Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claim 19 is rejected under 35 U.S.C. 102(b) as being anticipated by Son USPN 6,02,088.

Son discloses in figs. 3 and 4 a transistor, comprising a channel region facing a gate electrode 49a, the channel region having a partially distorted portion 57 distorted in a thickness direction of the channel region; source and drain regions 53 connection to the channel region in a semiconductor film in contact with a surface of an insulating substrate; a gate insulating film 47 formed at least over the channel and extend through the source and drain regions 53 and a recombination center formed around the partially distorted portion, the recombination center having a relatively low degree of crystallization among crystal semiconductor films forming the channel region.

### Allowable Subject Matter

4. Claims 1-7 and 13-17 are allowed.

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5. The following is a statement of reasons for the indication of allowable subject matter:

The prior art fails to disclose the device structure as recited in claims 1 and 17. Specifically, the

references of record do not teach or make obvious a TFT with a deformed channel region, which

extends through a gate insulating film.

Conclusion

6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a).

Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to A. Sefer whose telephone number is (703) 605-1227.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan Flynn can be reached on (703) 308-6601.

ANS November 14, 2003